

DATA TRACKING AND TECHNICAL FACT SHEET

Permittee: Town of West Haven

PERMIT, ADDRESS, AND FACILITY DATA

PERMIT #: CT0101079 APPLICATION #: 201102353 FACILITY ID. 156-001

Mailing Address: Street: 355 Main Street City: West Haven ST: CT Zip: 06516 Contact Name: Terri Pelletier Phone No.: (203) 937-3591	Location Address: Street: 2 Beach Street City: West Haven ST: CT Zip: 06516 Contact Name: Terri Pelletier Phone No.: (203) 937-3591 DMR Contact email address: TPelletier@westhaven-ct.gov
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PERMIT INFORMATION

DURATION 5 YEAR X 10 YEAR 30 YEAR

TYPE New Reissuance X Modification

CATEGORIZATION POINT (X) NON-POINT () GIS #

NPDES (X) PRETREAT () GROUND WATER(UIC) () GROUND WATER (OTHER) ()

NPDES MAJOR (MA) X

NPDES SIGNIFICANT MINOR or PRETREAT SIU (SI)

NPDES or PRETREATMENT MINOR (MI)

COMPLIANCE SCHEDULE YES X NO

POLLUTION PREVENTION TREATMENT REQUIREMENT

WATER QUALITY REQUIREMENT X OTHER

OWNERSHIP CODE

Private Federal State Municipal (town only) X Other public

DEP STAFF ENGINEER Ivonne Hall

DATE DRAFTED: December 31, 2015

PERMIT FEES

Discharge Code	DSN Number	Annual Fee
111000f	001-1	\$3,005.00

FOR NPDES DISCHARGES

Drainage Basin Code: 5000-49, South Central Shoreline Water Quality Classification Goal: SB
Segment: CT-C2_018-SB, New Haven Harbor

NATURE OF BUSINESS GENERATING DISCHARGE

Municipal Sanitary Sewage Treatment

PROCESS AND TREATMENT DESCRIPTION (by DSN)

Secondary biological treatment, nitrogen removal and year-round chlorine disinfection

RESOURCES USED TO DRAFT PERMIT

- ☐ Federal Effluent Limitation Guideline 40CFR 133 Secondary Treatment Category
- ☐ Performance Standards
- ☐ Federal Development Document
- ☒ Department File Information
- ☒ Connecticut Water Quality Standards
- ☒ Anti-degradation Policy
- ☐ Coastal Management Consistency Review Form
- ☐ Other - Explain

BASIS FOR LIMITATIONS, STANDARDS OR CONDITIONS

- ☒ Secondary Treatment (Section 22a-430-4(r) of the Regulations of Connecticut State Agencies)
- ☒ Case-by-Case Determination
- ☐ In order to meet in-stream water quality
- ☐ Anti-degradation policy

GENERAL COMMENTS

The Town of West Haven ("West Haven") operates a municipal water pollution control facility ("the facility") located at 2 Beach Street, West Haven. The facility is designed to treat and discharge up to 12.5 million gallons a day of effluent into the New Haven Harbor. The facility currently uses secondary treatment with denitrification and chlorine disinfection to treat effluent before being discharged. Pursuant to Conn. Gen. Stat. § 22a-430, the Department of Energy and Environmental Protection has issued the Town a permit for the discharge from this facility. West Haven has submitted an application to renew its permit. The Department has made a tentative determination to approve West Haven's application and has prepared a draft permit consistent with that determination.

The most significant additions to the current permit are the inclusion of revised bacteria monitoring requirements (e.g. fecal coliform and enterococci), chronic aquatic toxicity testing due to harbor impairment for aquatic life, aluminum monitoring to be consistent with the most recent CT Water Quality Standards, and iron monitoring to be consistent with EPA's National Recommended Water Quality Criteria. Also, the facility will no longer be able to receive septage under the new permit.

SPECIFIC REQUIREMENTS OR REVISIONS

The Department reviewed the application for consistency with Connecticut's Water Quality Standards and determined that with the limits in the draft permit, including those discussed below, that the draft permit is consistent with maintenance and protection of water quality in accordance with the Tier I Anti-degradation Evaluation and Implementation Review provisions of such Standards.

The need for inclusion of water quality based discharge limitations in this permit was evaluated consistent with Connecticut Water Quality Standards and criteria, pursuant to 40 CFR 122.44(d). Discharge monitoring data was evaluated for consistency with the available aquatic life criteria (acute and chronic) and human health (fish consumption only) criteria, considering the zone of influence allocated to the facility where appropriate. In addition to this review, the statistical procedures outlined in the EPA Technical Support Document for Water Quality-based Toxics Control (EPA/505/2-90-001) were employed to calculate the need for such limits. Comparison of the attached monitoring data and its inherent variability with the calculated water quality based limits indicates a low statistical probability of exceeding such limits. Therefore, no water quality based limits were included in the permit

at this time.

WATER QUALITY LIMIT CALCULATIONS

See attached.

DRAFT